

Claims

- [c1] 1. An arrangement for a fuel system to an internal combustion engine, said arrangement comprising:
a fuel tank (13), a fuel pump (12) and a fuel filter (19) located in a flow duct (14, 23) between the fuel pump and the fuel consumers (11) of the engine; and
said flow duct (14, 23) being provided with a non-return valve (25) and a bleed valve (26-29) arranged downstream thereof in the normal flow direction of the fuel system.
- [c2] 2. The arrangement as recited in claim 1, wherein said flow duct (23) extends in an upward direction between said non-return valve (25) and said bleed valve (26-29).
- [c3] 3. The arrangement as recited in claim 1, wherein said bleed valve (26-29) further comprises a bleed port connected to said fuel tank (13).
- [c4] 4. The arrangement as recited in claim 1, wherein said fuel filter (19) is mounted on a filter holder (18) with internal ducts (22, 23) for conducting fuel to and from said filter (19).
- [c5] 5. The arrangement as recited in claim 4, wherein said filter holder (18) is located at a certain distance from the fuel consumers (11) of the engine.
- [c6] 6. The arrangement as recited in claim 4, wherein said filter

holder (18) forms a mounting for a prefilter (20) proximate said fuel filter (19).

[c7] 7. The arrangement as recited in claim 6, wherein said prefilter (20) is connected to said fuel tank (13) via a suction line (16) that extends from said prefilter (20) to said fuel pump (12).

[c8] 8. The arrangement as recited in claim 1, further comprising: a second bleed valve (15) located in said fuel system between the consumers (11) of the engine and said fuel pump (12).

[c9] 9. The arrangement as recited in claim 8, wherein said second bleed valve (15) is positioned elevationally high up in the fuel system.

[c10] 10. The arrangement as recited in claim 1, wherein said arrangement is configured to permit automatic air purge of a newly installed fuel filter (19) and minimize spillage of fuel into the environment during air purge of the newly installed fuel filter (19).